Bruhat Bangalore Mahanagara Palike
Executive Engineer Yelahanka Project Division

Name of Work:Improvements to Roads and Drains At Kogilu Colony In Ward no.05

Modified Schedule - B

Sl No	Description of Item	Unit	Quantity	Rate, Rs	
				In Figures	In Words
1	Removing and resetting of Footpath slab (P.No.270, I.No.37.5of PW, P&IWTD SR 2018-19)	Sqm	68.85	219.00	Rupees Two Hundred Nineteen Only
2	KSRRB M200-12.1. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. By Manual Means :B. Cement Concrete Grade M 15 & M-20. (P.No. 139, I.No. 18.20 of CSR 2018-19)	Cum	302.41	526.00	Rupees Five Hundred Twenty Six Only
3	KSRRB 300-1. Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 (P.No.143, I.No.19.1 of PW, P&IWTD SR 2018-19)	Cum	135.00	237.00	Rupees Two Hundred Thirty Seven Only
	Above 125%	Cum	714.88	237.00	Rupees Two Hundred Thirty Seven Only
4	KSRRB M300-14. Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimmingbottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications. MORTH Specification No.301 (P.No.143,	Cum	0.00	135.00	Rupees One Hundred Thirty Five Only
5	KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications.(P.No.13, I.No.4.2 of PW, P&IWTD SR 2018-19)	Cum	108.19	5780.00	Rupees Five Thousand Seven Hundred Eighty Only
6	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200. including cost of materials, labour, HOM complete as per specificationsdo- Wall & bottom thickness 15cm (P.No.275, I.No.37.59.2 of PW, P&IWTD SR 2018-19)	Cum	180.77	7423.00	Rupees Seven Thousand Four Hundred Twenty Three Only
7	Providing and laying in position plain/Reinforced cement cement concrete M20 for sub-structure/Superstructure works, with cement @ 320 kgs, 20 mm & down size graded granite metal coarse aggregate @ 0.69 cum and fine aggregates @ 0.46 cum machine mixed with super plasticisers @ 3 lts confirming to IS 9103-2008,concrete laid in layers, well compacted and providing weep holes wherever necessary. with necessary scaffolding, form work etc., including cost of labour, HOM curing etc., complete (P.No.257, I.No.34.17 of PW, P&IWTD SR 2018-19)	Cum	49.02	5541.00	Rupees Five Thousand Five Hundred Forty One Only

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	KSRB 4.6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.1 (P.No 16, I.No 4.28 of PW,P&IWTD SR 2018-19)	Sqm	37.20	287.00	Rupees Two Hundred Eighty Seven Only
9	KSRB 4.6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.1 (P.No 16, I.No 4.31 of	Sqm	194.06	398.00	Rupees Three Hundred Ninety Eight Only
10	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specifications (P.No.18, I.No.4.46.2 of PW, P&IWTD SR 2018-19)	Tn	15.53	78978.00	Rupees Seventy Eight Thousand Nine Hundred Seventy Eight Only
11	Providing and fixing RCC Precast cover slab of 100mm thick for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in charge (Data Rate)	Sqm	690.38	2454.00	Rupees Two Thousand Four Hundred Fifty Four Only
	Above 125%	Sqm	327.83	2454.00	Rupees Two Thousand Four Hundred Fifty Four Only
12	Providing and fixing pre cast covering Slab 250mm thick made out of CC 1:2:4 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading,	Sqm	105.57	5688.00	Rupees Five Thousand Six Hundred Eighty Eight Only
13	KSRRB M(60)-1.Providing and Constructing dry lean cement concrete mix CC 1:5:10 base with OPC 25mm and down size graded granite metal coarse aggregate at 0.86cum and fine aggregates @0.58cum over a prepared sub-base, coarse and fine aggregate conforming to IS: 383-2016,aggregate cement ratio not to exceed 15:1, Aggregate gradation after blending to be as per Table 600-1,optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver, compacting with 8-10 tonnes vibratory roller, finishing and curing complete as per specifications. Clause 601of MORTH V Revision and IS 456 Table 5 ((P.No.174, I.No.22.1.1 of PW,P&IWTD SR 2018-19)	Cum	226.80	3990.00	Rupees Three Thousand Nine Hundred Ninety Only
14	Constructing un-reinforced, plain cement concrete for pavements using Grade concrete M30 with OPC at 360 kg/cum and coarse aggregate 0.69cum, fine aggregate 0.46cum, over a prepared base with OPC coarse aggregate at 0.69 cum, fine aggregates at 0.46 cum,Coarse and fine aggregate conforming to IS:383-2016, with Superplastizer at 3 lts conforming to IS 9103-2008, mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). & Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floaters in a continuous operation including provision of contraction, expansion, construction and longitudinal joints,including groove cutting charges, joint filler, separation membrane of impermiable plastic sheet of 125 micron, sealant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades, textured with texturing machine, and curing including cost of all materials, labour,hire charges of machineries,all lead & lift charges etc., complete as per specifications.((P.No.176, I.No.22.6.1 of PW,P&IWTD SR 2018-19)	Cum	226.80	5471.00	Rupees Five Thousand Four Hundred Seventy One Only

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	Vaccum de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery, Screed Vibratory, Power Floater, blade and disc etc., with all lead and li P.No 176, I.No.22.7 of PW,P&IWTD S.R 2018-19)	Sqm	1512.03	75.00	Rupees Seventy Five Only

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